

DESCRIPTIONS OF FOUR NEW SPECIES OF ODYNERUS FROM MEXICO.

BY P. CAMERON.

Odynerus (Stenancistrocerus) iolans sp. nov.

Black; a broad curved mark on the sides of the clypeus above, a small triangular (longer than wide at the apex) above the antennæ, a small spot on the innerside of the eye incision in the centre, a short line on the outer orbits above, a narrow line on upper edge of pronotum, united to a similar one on the upper basal half of the propleuræ, a large bell-shaped mark on the pleuræ below the tegulæ, an irregular mark on the apex of the mesonotum, opposite the tegulæ, postscutellum, a broad line, narrowed below, on the sides of the apical slope of the metanotum, a narrow line on the apex of the 1st abdominal segment, continued below half way to the base of the segment, and a similar but slightly narrower line, all round, on the 2nd, yellow. Legs black, the apex of the femora, the 4 anterior tibiæ and the base of the hinder in front yellow. Wings fuscous-violaceous, the nervures and stigma black. ♀. Length to end of 2nd segment 9 mm.

Clypeus pyriform, longer than its greatest width, its apex depressed, slightly, broadly, roundly incised; sparsely punctured, the apex more strongly and closely than the rest. Mandibles with a triangular mark at the junction of the basal two keels. Front and vertex rather strongly and closely punctured. Prothorax and mesothorax with the scutellum rather closely and strongly punctured. Tegulæ large, conchiform, piceous; opposite them is an area thickly covered with silvery pubescence. Postscutellum narrowed to a blunt angle. Sides of apical slope of metanotum margined by a keel above; the apical slope excavated; the central keel is on the apical half only; the sides are blunt, not distinctly angled. First segment of abdomen longish bell shaped, bluntly rounded at the suture, which is stronger laterally than in the centre; it is strongly and closely punctured, much more strongly than the sides; its apex is smooth. The 2nd segment is barrel shape, longer than it is wide at the apex, which is turned up slightly. The second cubital cellule is narrowed in front. Scape of antennæ yellow, the flagellum reddish-brown below.

The body is long and slender; the thorax is transverse in front, narrowed behind; it is more than twice longer than wide. The species agrees best with *Stenancistrocerus*. The 1st abdominal segment is longer than usual.

Odynerus (Pachodynerus) halmus sp. nov.

Black; covered with a velvety pile; a broad band (the upper third) on the top of the clypeus, a broad mark over the antennæ, the lower part of the eye incision, a longish mark near the top of the outer orbits, a moderately broad line on the top of the pronotum, a narrow one on the upper half of the base of the propleuræ, tegulæ, a spot on the sides of the scutellum, postscutellum, a large spot on the upper side of the apex of metanotum, a narrow line on the apex of the 1st abdominal segment, dilated at the sides and having there attached to it a

moderately large oblique, somewhat oval mark, and bands on the apices of the basal 3 segments all round, yellow, tinged with fulvous. Legs black, the outside of the tibiæ yellow. Wings reddish yellow, darker colored, more violaceous towards the apex. ♀. Length to end of 2nd segment 12 mm.

Clypeus, if anything, wider than long, its apex transverse, its sides forming short blunt teeth; the centre with longish, scattered punctures. Front and vertex rugosely punctured. Base of thorax not quite transverse, the sides rounded, slightly narrowed; the apex has the sides only slightly dilated. Pronotum and mesonotum, scutellum and postscutellum, except at the apex, strongly punctured; the apex of postscutellum smooth, transverse. Metanotum closely, transversely striated; the sides blunt, the upper part bordered by a narrow curved keel. Propleuræ and mesopleuræ closely, strongly punctured; the metapleuræ closely striated. There is a wide, oblique furrow on the basal half the mesopleuræ. Basal segment of abdomen short, cup-shaped, not separated from the 2nd, with which it is continuous.

Belongs to Saussure's Section B. *a*, Syn. of Amer. Wasps, 237. It resembles closely the species of the *nasidens* group. The ♂ has all the abdominal segments bordered with yellow, the yellow on the head and thorax being broader; the clypeus is entirely yellow; it is as long as wide, its sides project into short triangular teeth; the space between them is slightly but distinctly rounded. The mark over the antennæ is broad, rounded and narrowed below, transverse above. The flagellum is black, except the hook and the apical two segments below; the hook is long, curved and reaches to the base of the 3rd segment. In both sexes the anterior nervures, the costa and stigma are reddish fulvous, the tegulæ are large, reddish fulvous, with an oval fuscous mark at the base.

***Odynerus (Pachodynerus) astræus* sp.ⁿ nov.**

Black; thickly covered with a silky fulvous pile; a narrow transverse line over the antennæ, a short line opposite the antennæ, a short one near the base of the antennæ, the upper edges of the pronotum all round, a line on the base of the propleuræ in the middle, a mark on the base of the tegulæ, a small mark on the pleuræ below them, postscutellum, the upper outer angles of the metanotum, a line on the 1st abdominal segment above and on the others all round, luteous. The anterior tibiæ in front and the base of their tarsi luteous. Wings reddish yellow, their apex tinged with fuscous; the stigma and basal nervures luteous, the apical nervures darker colored. ♀. Length to end of 2nd segment 8 mm.

Front and vertex strongly and closely punctured. Clypeus longer than wide, above almost impunctate; the apex with longish, scattered punctures; the apex is wide, almost transverse, the sides projecting into indistinct teeth. Thorax rather strongly and closely punctured; the apical slope of postscutellum smooth, transverse. Upper half of the sides of metanotum sharply keeled; the apical half transversely striated. Apex of the 2nd segment and the following closely somewhat strongly punctured; the 1st segment cup-shaped, as wide as the base of the 2nd.

The ♂ has the clypeus pyriform, rounded above; the apex roundly incised; the scape of antennæ is yellow below; there is a yellow line on the base of the mandibles, one on the lower edge of the eye incision; there are two short lines, the one below the other above the antennæ; the antennal hook is stout, black; the 1st abdominal segment is punctured, somewhat strongly, not smooth as in the ♀; the 2nd is punctured throughout; the apex of the postscutellum is punctured, and that of the metanotum rougher.

The flagellum of the antennæ is rufous below; the bands on the 5th and 6th abdominal segments are wider than those on the middle ones. Comes, in Saussure's system, Syn. of Amer. Wasps, 238, near to *O. brachygaster* Sauss. It is also related to *O. halmus*, here described, but that may be readily known from it by the metanotum having a large mark on the sides, not a narrow line, and the line on the 1st abdominal segment is dilated backwards into a large spot. The lateral angles of the metanotum may be black, and the clypeal teeth rufous.

***Ancistrocerus argelus* sp. nov.**

Black; the clypeus, a line on the centre of the basal half of the mandibles, a line above the antennæ, its lower half narrowed, a line on the lower edge of the eye incision, a short line behind the top of the eyes, a line on the apex of pronotum, one united to it on the inner side of the pronotum, postscutellum and the apices of all the abdominal segments yellow, the yellow on the thorax and abdomen tinged with rufous; the sides of the apical slope of the metanotum broadly dull yellow, tinged with rufous. Antennal scape yellow, the flagellum rufous-brown beneath. Tibiæ yellow in front, the femora tinged with brown, apex of tarsi rufotestaceous. Wings hyaline, tinged with fulvous in front; the costa and stigma fulvotestaceous, the nervures darker colored. ♂. Length to end of 2nd segment 7 mm.

Clypeus longer than wide, sparsely, weakly punctured, the apex with a distinct rounded incision. Front and vertex closely, rugosely punctured; apex of mandibles rufous. Prothorax and mesothorax closely and strongly punctured above, more sparsely and weakly on the sides, a wide irregular furrow on the centre of the mesopleuræ. Base of thorax transverse, the outer angles acute; the sides of the metapleuræ bluntly rounded, rough, the upper sides of the metanotum irregularly reticulated, thickly covered with fulvous pubescence. Apex of metapleuræ with scattered punctures, the base covered with fulvous pile. First abdominal segment elongated cup-shaped; there are two indistinct sutures only indicated on the sides, the apical being more distinct than the basal; the segment is strongly punctured and covered with fulvous pubescence; the 2nd segment is clearly narrowed at the base; it is punctured; its apex and the other segments are more coarsely punctured; the apical edge of the 2nd is weakly raised. Antennal hook stout, black, reaching to shortly beyond the base of the penultimate joint.

Belongs to Saussure's Section 3, Syn. of Amer. Wasps, 206.